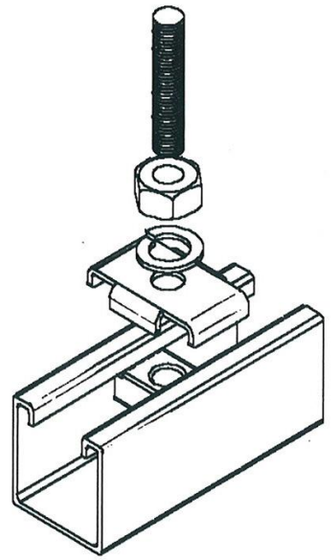
Strut Channels
Load Chart

Beam Span (mm)	Part No.	Deflection @ 162MPa Stress (mm)	Uniform Load @ 162MPa Stress (kN)	Uniform Load @ Deflection 1/240 Span (kN)	Beam Span (mm)	Part No.	Deflection @ 162MPa Stress (mm)	Uniform Load @ 162MPa Stress (kN)	Uniform Load @ Deflection 1/240 Span (kN)
600	C2000L	2.20	3.06	-	1200	C2000L	8.79	1.53	0.87
	C2000L/2	1.23	8.43	-		C2000L/2	4.90	4.22	-
	C2000	1.38	6.47	-		C2000	5.22	3.24	2.93
	C2000/2	0.77	17.97	-		C2000/2	3.08	8.98	-
	C2500	1.37	7.67	-		C2500	5.50	3.84	-
	C2500/2	0.76	21.30	-		C2500/2	3.02	10.65	-
750	C2000L	3.44	2.45	2.23	1500	C2000L	13.74	1.23	0.56
	C2000L/2	1.92	6.74	-		C2000L/2	7.66	3.37	0.25
	C2000	2.16	5.18	-		C2000	8.62	2.59	1.88
	C2000/2	1.20	14.38	-		C2000/2	4.82	7.19	-
	C2500	2.15	6.14	-		C2500	8.59	3.07	2.23
	C2500/2	1.18	17.03	-		C2500/2	4.72	8.52	-
900	C2000L	4.95	2.04	1.55	1800	C2000L	19.79	1.02	0.39
	C2000L/2	2.76	5.62	-		C2000L/2	11.04	2.81	1.91
	C2000	3.10	4.32	-		C2000	12.41	2.16	1.30
	C2000/2	1.73	11.98	-		C2000/2	6.94	5.99	-
	C2500	3.09	5.11	-		C2500	12.37	2.56	1.55
	C2500/2	1.70	14.20	-		C2500/2	6.80	7.10	-

* Load limited by spot weld shear. Material : JIS G3131

Conversion Factors

Condition of Load & Support	Load Factor	Deflection Factor
1. Simple Beam Uniform Load	1.00	1.00
2. Simple Beam Concentrated Load at Center	0.50	0.80
3. Simple Beam Two Equal Concentrated Load at 1/4 point	1.00	1.10
4. Beam Fixed at Both Ends Uniform Load	1.50	0.30
5. Beam Fixed at Both Ends Concentrated Load at Center	1.00	0.40
6. Cantilever Beam Uniform Load	0.25	2.40
7. Cantilever Beam Concentrated Load at End	0.12	3.20
8. Continuous Beam, Two Equal Spans Uniform Load on One Span	1.30	0.92
9. Continuous Beam, Two Equal Spans Uniform Load on Both Span	1.00	0.42
10. Continuous Beam, Two Equal Spans Concentrated Load at Center of One Span	0.62	0.71
11. Continuous Beam, Two Equal Spans Concentrated Load at Center of Each Span	0.67	0.48



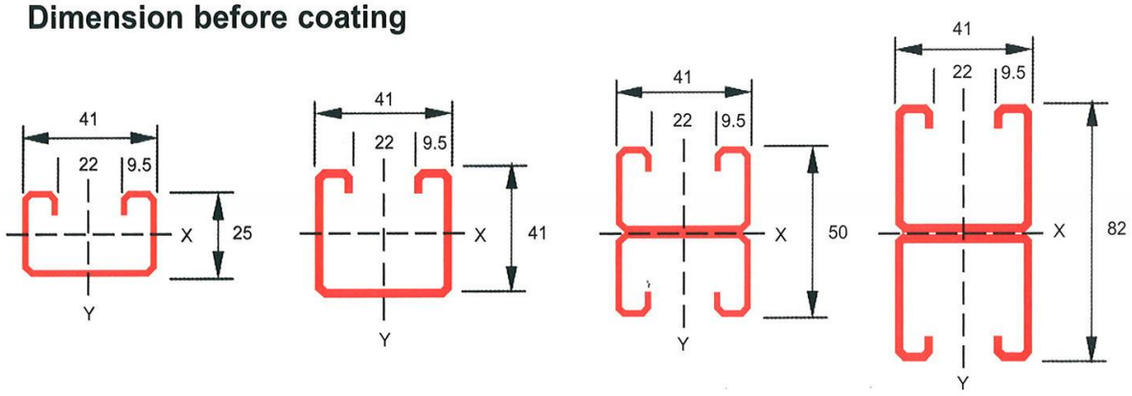
SHF strut channel is a rail-like channel that makes installations faster and allowing adjustments without dismantling the whole support system. There is no need to drill holes and welding like conventional methods that will weaken the brackets. The flexibility of using a strut channel makes it a perfect and neat solution for electrical and mechanical supports and framing.

SHF strut channels are cold-formed from JIS G3131 material and the dimensions of end-product are tightly controlled to ensure it is safe and the optional accessories fit snugly. **SHF strut channels** are assured performance guaranteed with a **3:5 safety factor** (refer to load chart).

We offer different types of anti-corrossion coatings to suit different environments e.g. **Hot-dipped Galvanised to BS-729** for outdoor or indoor and **Powder-Epoxy** for Clean Room and those who require excellent appearance.

Various strut channel sizes offer consultants wider range of load capabilities when designing and thus buyers reducing material cost.

Dimension before coating



C2000L
Thickness 2.0mm

C2000
Thickness 2.0mm

C2500
Thickness 2.5mm

C2000L/2
Thickness 2.0mm

C2000/2
Thickness 2.0mm

C2500/2
Thickness 2.5mm

Elements Of Section

Part No.	Areas of Section cm^2	Axis X-X I cm^4	Axis X-X S cm^3	Axis X-X r cm	Axis Y-Y I cm^4	Axis Y-Y S cm^3	Axis Y-Y r cm
C2000L	2.24	1.98	1.41	0.94	5.61	2.73	1.58
C2000L/2	4.48	9.77	3.88	1.47	11.22	5.46	1.58
C2000	2.88	6.67	2.98	1.52	8.04	3.92	1.67
C2000/2	5.76	33.13	8.27	2.39	16.08	7.84	1.67
C2500	3.53	7.93	3.53	1.50	9.67	4.72	1.67
C2500/2	7.05	40.05	9.80	2.38	19.34	9.44	1.67